



6472585

1 GTGAGGGAG CGGGATCAG CCAGGGCCA GCATGAGCC GAGGGAGGA AGTCTGGAG ACCCCAGAC TGATTCTCA GTCTCACTTC TTCCCCACTT
CACTTCCCTC GGCCTAGTC GGTCCCGGT CGTAAGCTGGC CTCCCTCCCT TCAGACCTTC TGGGGTCTG ACTAAGGAGT CAGAGTGAAG AAGGGTGA
1 M S R R E G S L E D P Q T D S S V S L L P H L
^met

101 GGAGGAAAG ATCCGTCAGA CACACAGCCT TGGCACCTC CTCACCAAAT ACGCTGAGCA GCTGCTCCAG GAATATGTGC AGCTCCAGGG AGACCCCTTC
CCTCCGGTTC TAGGGAGTC GTGTGTCGGCA ACGGTGGAG GAGTGGTTTA TGGCAGTCTG CGACGGGGTC CTTATACACG TCGAGGTCCC TCTGGGGAG
24 E A K I R Q T H S L A H L L T K Y A E Q L L Q E Y V Q L Q G D P F

201 GGGCTGCCA GCTTCTGGCC GCCGGGCTG CCGGGGGCG GCCTGAGGCC CCCGGCTCCG AGCACCGGG GGCTGCCAGT GCACGAGGG CTGGGGCTGG
CCGACGGGT CGAACAGGGG CGGGCCGAC GGGCACCGGC CGGACTCTGGC GGGCCACGGG CGGGCTCGCC CCGACGGTCA CGTGCTCGCC GACGCCGACC
57 G L P S F S P P R L P V A G L S A P A P S H A G L P V H E R L R L D

301 ACGGGGGC GCTGGGGC CTGCCCCGG TGCTGGACCC AGTGTGTCGC CGCCAGGGCC AGCTGAACCC GGGCGGCC CGCCTGCTGC GCCGCCCTGGA
TGCGCGCG CGACGGGGC GACGGGGCG AGCACCTGGC TCACACAGCG GGGGTCCGGC TCGACTTGGG CGGGACGAGC CGGGGACACT
91 A A L A L P P L L D A V C R R Q A E L N P R A P R L L R R L E

401 GGACGGGG CGCCAGGCC GGGCCCTGGG CGCCGGGGTG GAGGCTTGC TGGCCGGCT GGGGGCC AACGGGGC CCGGGCGGA GCCCCCGCC
CCTGGGGC GGGTCCGGG CCCGGGACCC GCGGGGGCAC CTCCGGAACG ACCGGGGCA CCCGGGGGA TTGGCGGGG GGGCCGGCT CGGGGGGG
124 D A A R Q A R A L G A A V E A L L A A L G A N R G P R A E P P A

501 GCCACGGCT CAGCCGCTC CGCCACCGGG GTCTTCCCCG CCAAGGTGCT GGGCTCGC GTTACGGGA GTGGCTGAGC CGCACCGAGG
CGGTGGGA GTCGGGAG GCGGTGGAG CAGAAGGGC GGTTCCACGA CCCCCGGCG CAAACGGCG AGATGGGCT CACCGACTCG CGGTGGCTCC
157 A T A S A A S A T G V F P A K V L G L R V C G L Y R E W L S R T E G

601 GCGACTGG CGAGCTGCTG CCCGGGGCT CGGCCTGAGC GCCGGGGCC AGCTCGCCCC GCCTCCTCCC GCTGGGTTCG GTCTCTCCTT CCGCTTCTTT
CGCTGGACCC GTGTGACGAC GGGGGACTCG CGGGCCCCG TCGAGGGGG CGGAGGGGG CGACCCAAGG CAGAGGAA GGGGAAGAAA
191 D L G Q L L P G G S A O (SEQ ID NO:3)

701 GTCCTCTCT GCGCTGTCG GTGTCTGCTT GTCCTGCTT AGCTGTCTCC ATTGCTCTGG CCTCTCTTCG TTTTGTGGG GGAGGGGA GGGGACGGGC
CAGAAAGAGA CGGGGACAGC CACAGACAGA CAGACAGAGA TAACGGAGG AAAAACACCC CCTCTCCCT CCCCTGCCG

801 AGGGTCTCTG TCGCCAGGGC TGGGGTGGAG TGGCCGATC CCAGGCACTGC AGGCTCAACC TCCCTGGCTC AAGCCATCCCT TCCGCTCAG CTTCCTCCAG
TCCCAGAGAC AGGGGGTCCG ACCCACGTC ACCGGCTAG GGTCTGACG TCCTGGAGTGG AGGACCCGAG AGGGGGAGTC GAAGGGTCTG

FIG. 1A



901 AGCTGGACT ACAGGCACGC GCCACCACAG CGGGCTAATT TTTTATTAA TTTTTTGTAG AGACGAGGTT TCGCCATGTT CCCCAGGCTG GTCTTGACT TCGACCTGA TGTCCTGCG CGGGTGTGCG GGGGATTA AAAATAATT AAAAACATC TCTGCTCAA AGCGGTACAA CGGGTCCGAC CAGAACCTTGA

1001 CGGGGCTCA AGCGATCCTC CCGCTTCAGC CTCCCTAAGT GCTGGGATTG CAGGGTGTAG CCACCTTCCC AGCCTCTCTT TGCTTTGCTT GCCCCGGTTCT GGGCCCGAGT TGCTTAGGAG GGGAAAGTGC CGACCCCTAAC GTCCGCACTC GGTAAGAGAA AGAAAACGGAA CGGGCAAGA ^58125. tm. f1

1101 CTTAACTCTT GGACCCCTCT CGTCTGCATG GTAACTCCGT CTGAGTCTAC CATTTCCTAC CTTCTCCCTTG CTCTCCCTCC TTCCCTGGGC CTGCCTCAGT TCCCTTGGC GAATTGAGAA CTCGGGAGGA GCAGACGTAC CATGGAGCA GACTCAGATG GTAAAAGAAC GAGAGGAGG AAGGAACCCG GACGGACTCA AGGGAAACCG ^58125. tm. r1

1201 CTCCCCCTT ACCCAGCTCT TGGGGTGTCT CTGCTGCCACT CATCCCCACT TCCTGCCCTC TCGTGGCCCT GTGTGAGGCAC ATGTTGTACAT CTCAGGCCCTTA GAGGGAAA TGGGTGAGA ACCCACAGA GACAAAAAG GTAGGGGTGA AGGACGGAAAG AGCACCGGGAA CACACTGTG TACACATGTA GAGTCGGAAT

1301 TCTCAAGGAG GTGACACCTT CTCTCCTTGT CCCCATCTGG CCGTCTCTCT GTGCTTCCCTT GGCAGGGGC GTGCCTGGCTG GTCTATGGG GGGAAAGGCTA AGAGTTCCTC CACTGTGAA GAGAGGAACA GGGGTAGAACCC GGCAGAGAGA CACGAAGGGAA CCGGCCCCG CACGGACGAC CAGGATAACCC CCCTTCCGAT

1401 CTCCGCATCT CAGCCACCTT CCTCAGGCTC ACTCCACCTA CATCCACCTA CATCCCAGT CTGCCACACC CCATCCCTT GGGCCTCAGC CCTGTCCTT TGATGTCCTC GAGGGCTAGA GTCGGTGAA GGAGTCCGAG TGAGGTGGAT GTAGGGTCA GACGGTGTGG GGTAGGGAAA CCCGGAGTCG GGACAGGGAA ACTACAGGAG

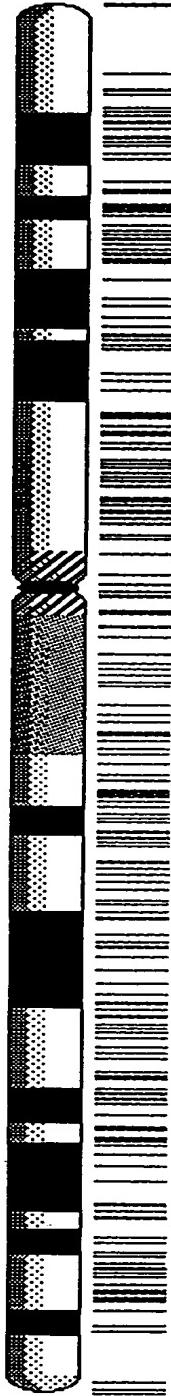
1501 CTTTCCTCA GCCCCTCTGC CCTGTCCTG CACACCTCC (SEQ ID NO:1)
GAAAGGAAGT CGGGAGAACG GGACAGGGAC GTGGGGAGG (SEQ ID NO:2)

FIG. 1B



Chromosome 16

D16S521



P7

- D16S3128
- D16S3020
- D16S3078
- D16S3062
- D16S3103
- D16S3286

P55

- D16S410
- D16S3045
- D16S412
- D16S401
- D16S3093

58125

P99

- D16S409
- D16S411
- D16S416
- D16S3137
- D16S2959
- CETP

- D16S3094
- D16S3089
- D16S3143
- D16S3031

P154

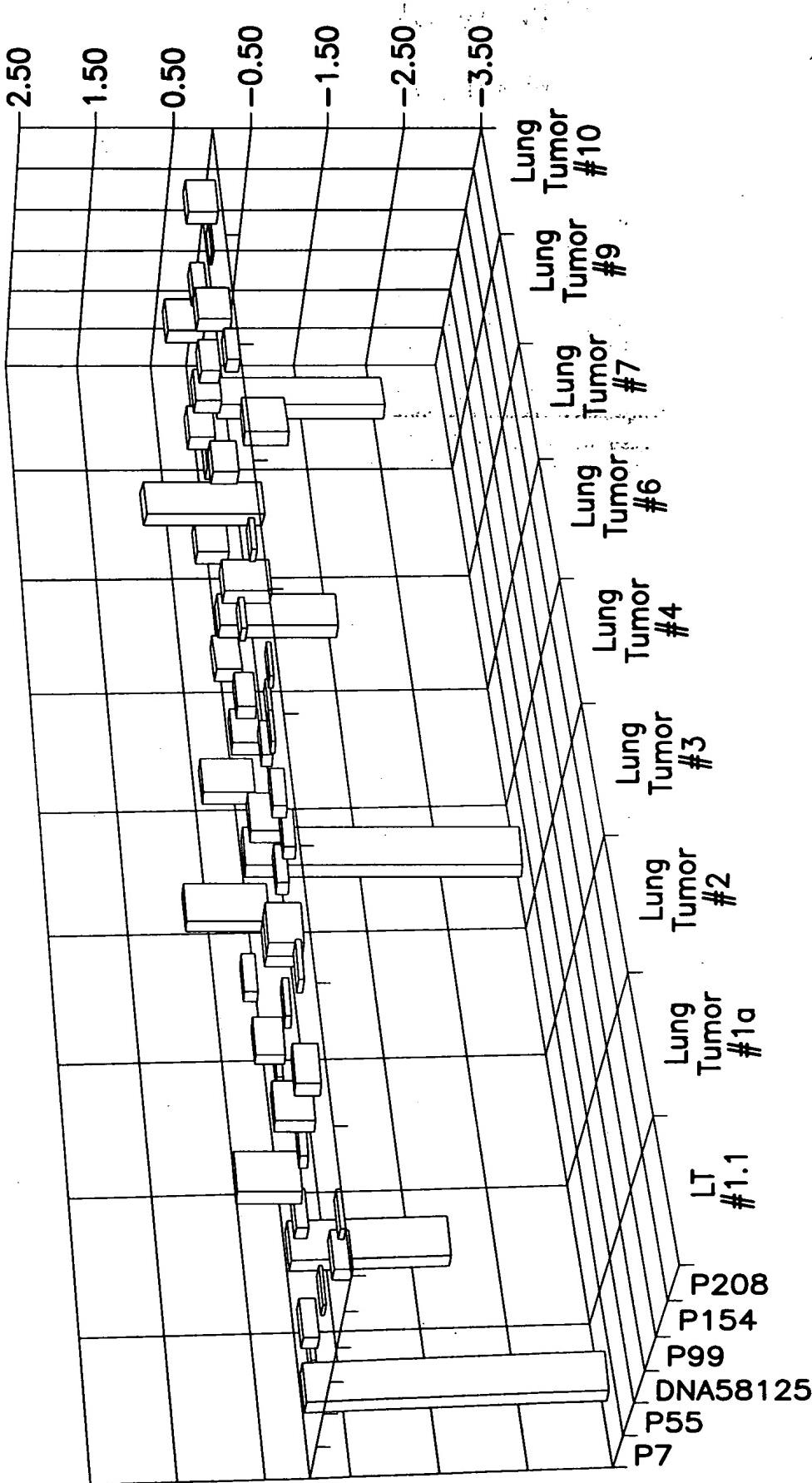
- D16S3139
- D16S515
- D16S3096
- D16S3098
- D16S422
- D16S3037

P208

- D16S3026

FIG. 2

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Framework Analysis of DNA58125 Cardiotrophin-1
on Lung Tumor Panel 1

FIG. 3

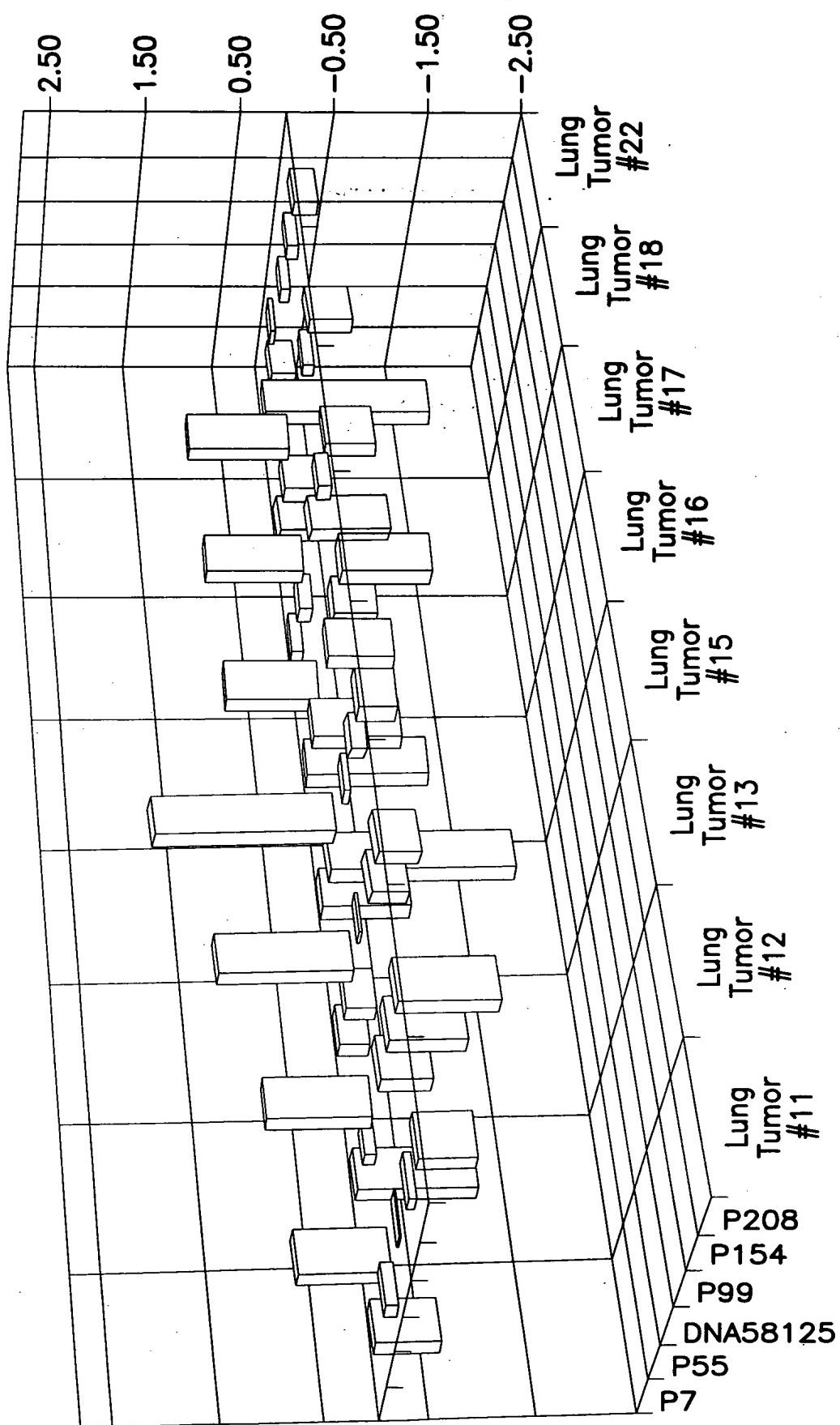


FIG. 4

Framework Analysis of DNA58125 Cardiotrophin-1
on Lung Tumor Panel 2

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DNA 58125 (CT-1)
on Lung Tumor Panels 1&2

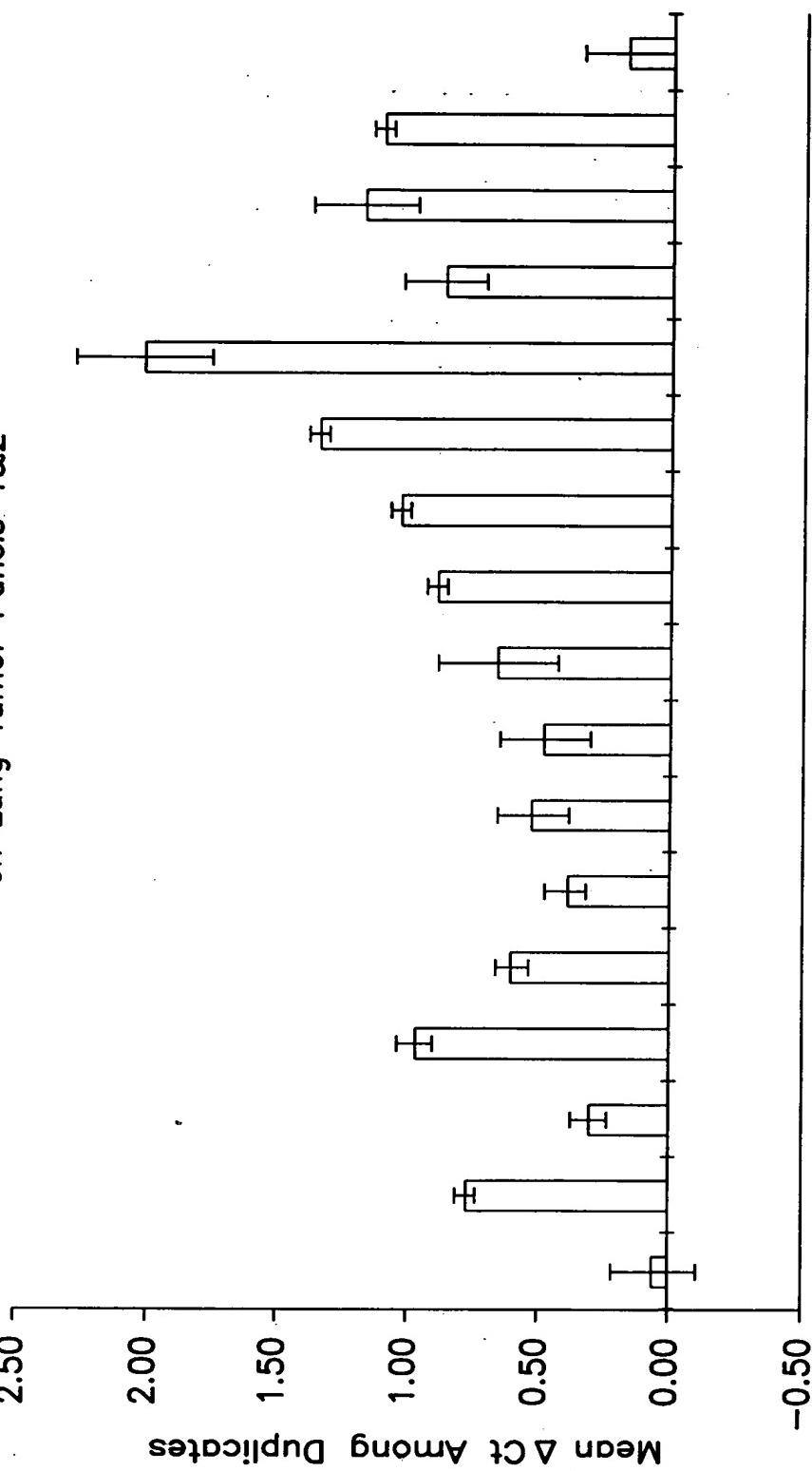
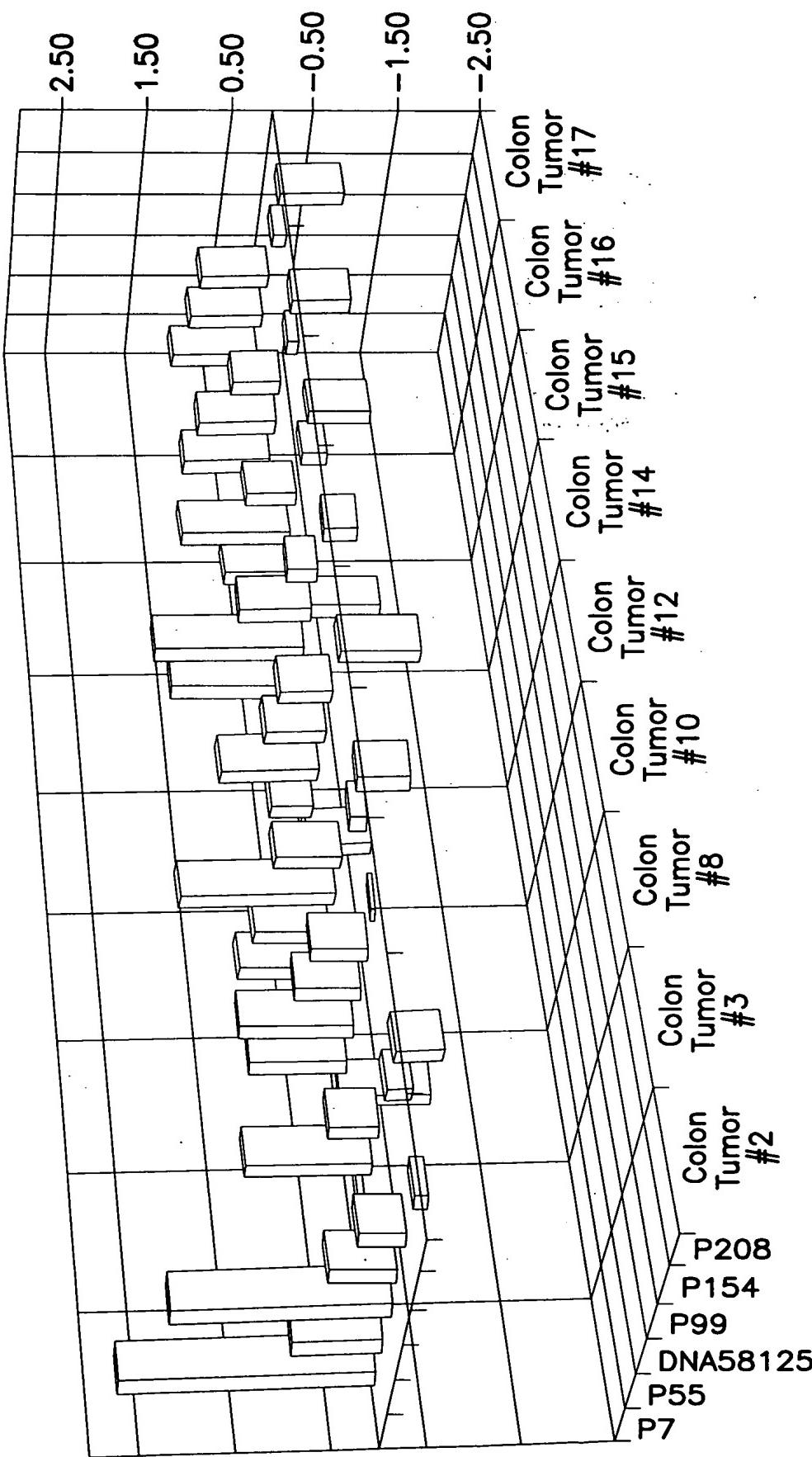


FIG. 5

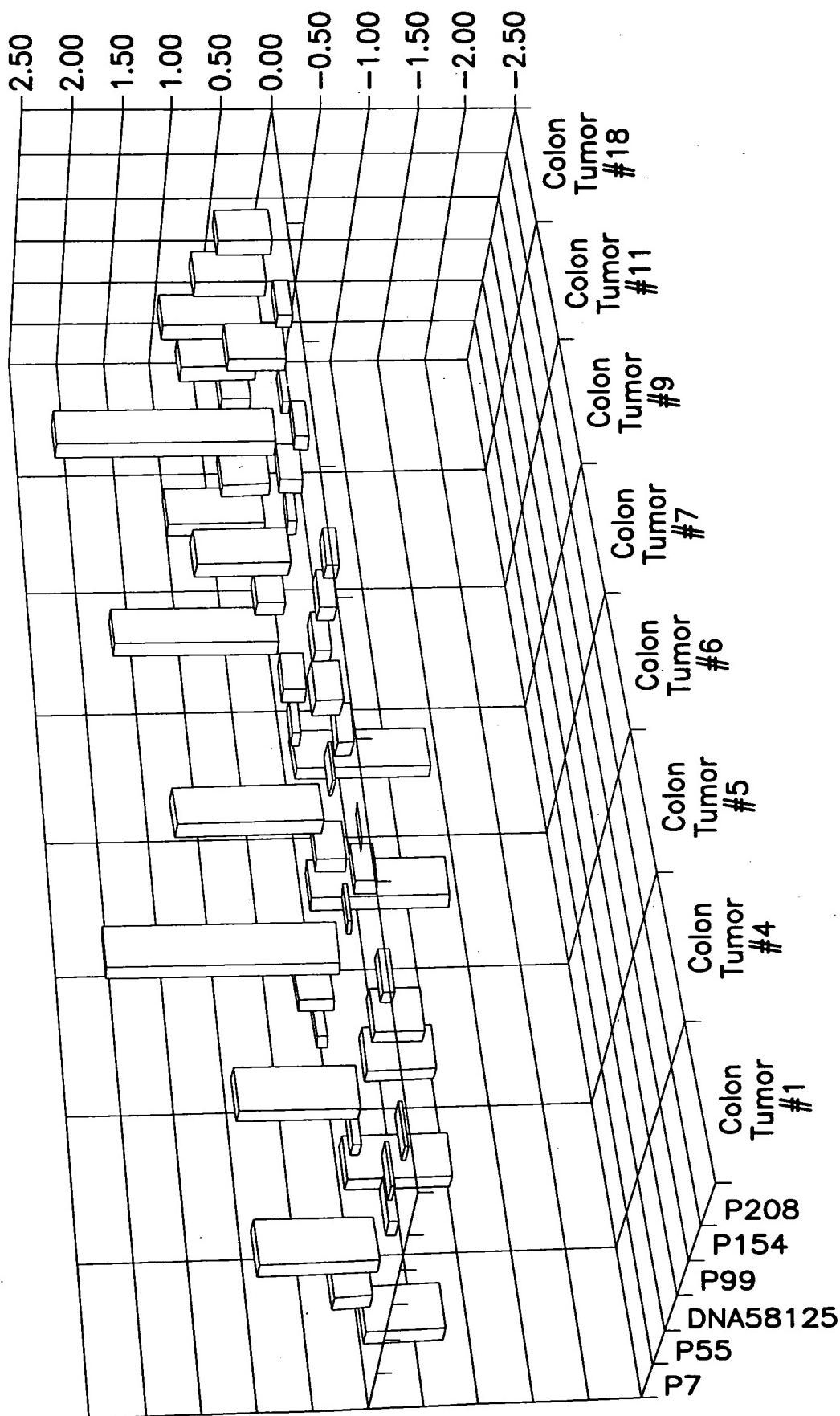
Lung Tumor Panels 1&2

- Lung Tumor #22
- Lung Tumor #18
- Lung Tumor #17
- Lung Tumor #16
- Lung Tumor #15
- Lung Tumor #13
- Lung Tumor #12
- Lung Tumor #11
- Lung Tumor #10
- Lung Tumor #9
- Lung Tumor #7
- Lung Tumor #6
- Lung Tumor #4
- Lung Tumor #3
- Lung Tumor #2
- Lung Tumor #1a
- Lung Tumor #1



Framework Analysis of DNA58125 Cardiotrophin-1
on Colon Tumor Panel #1

FIG. 6



Framework Analysis of DNA58125 Cardiotrophin-1
on Colon Tumor Panel 2

FIG. 7

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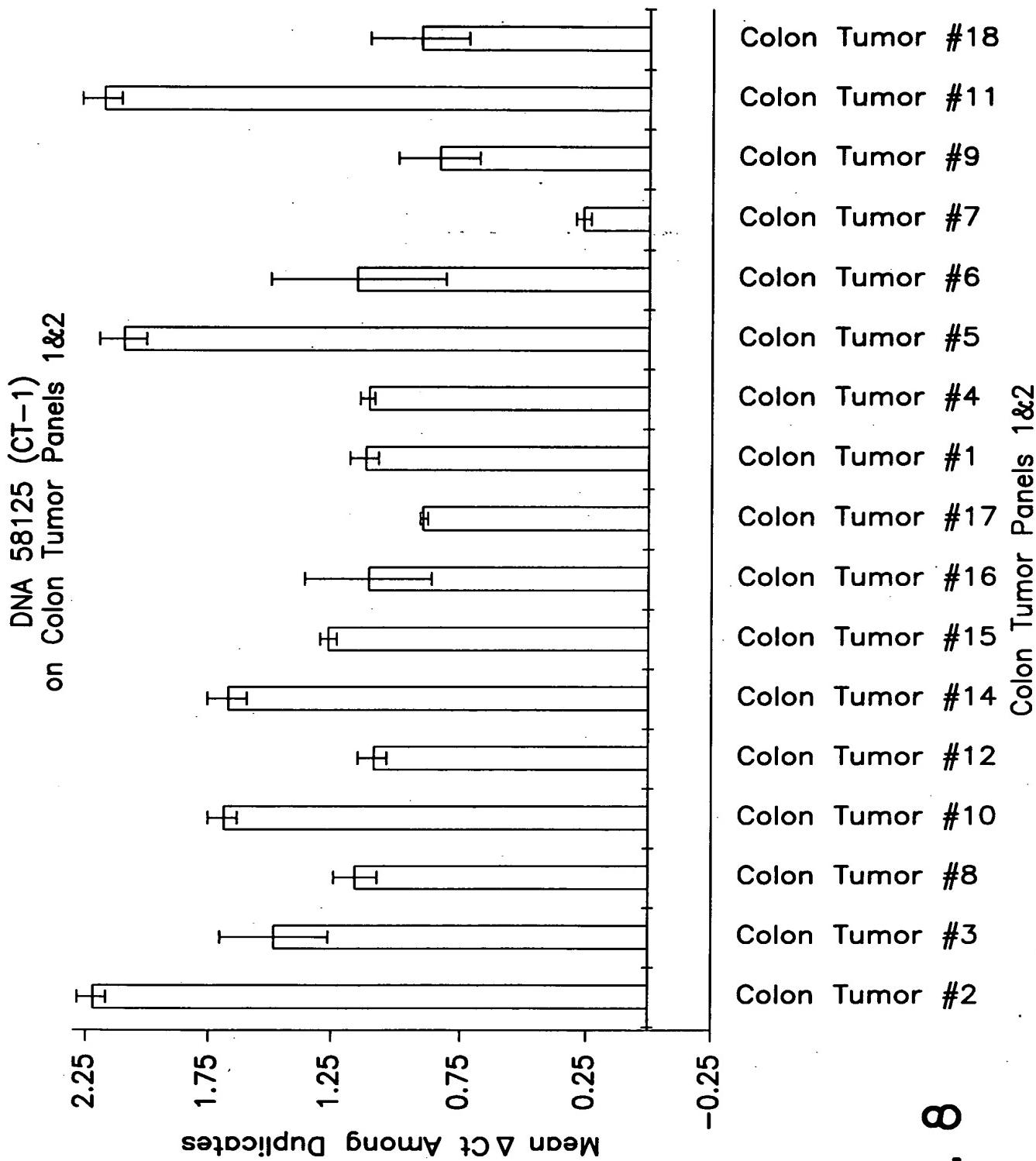


FIG. 8

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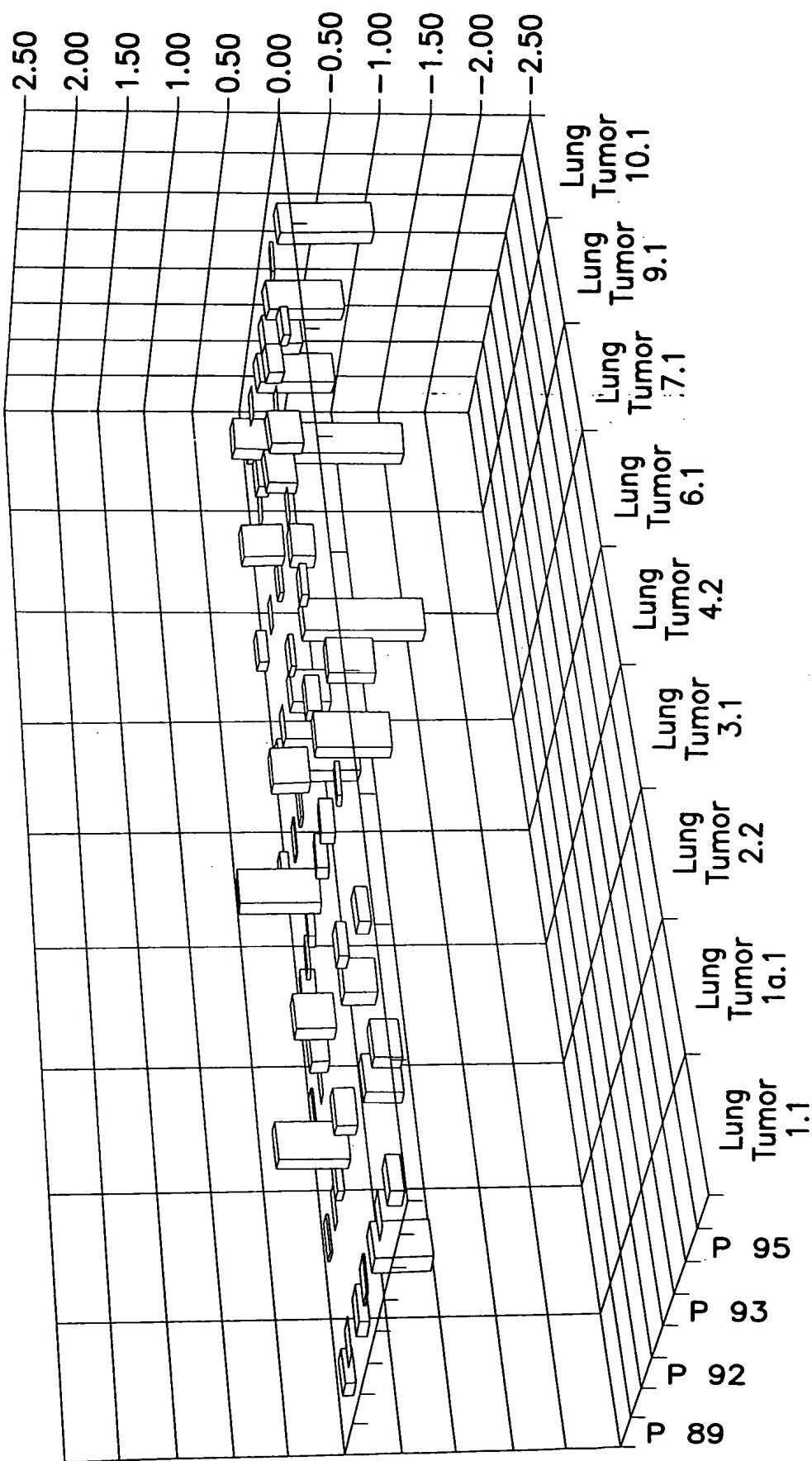
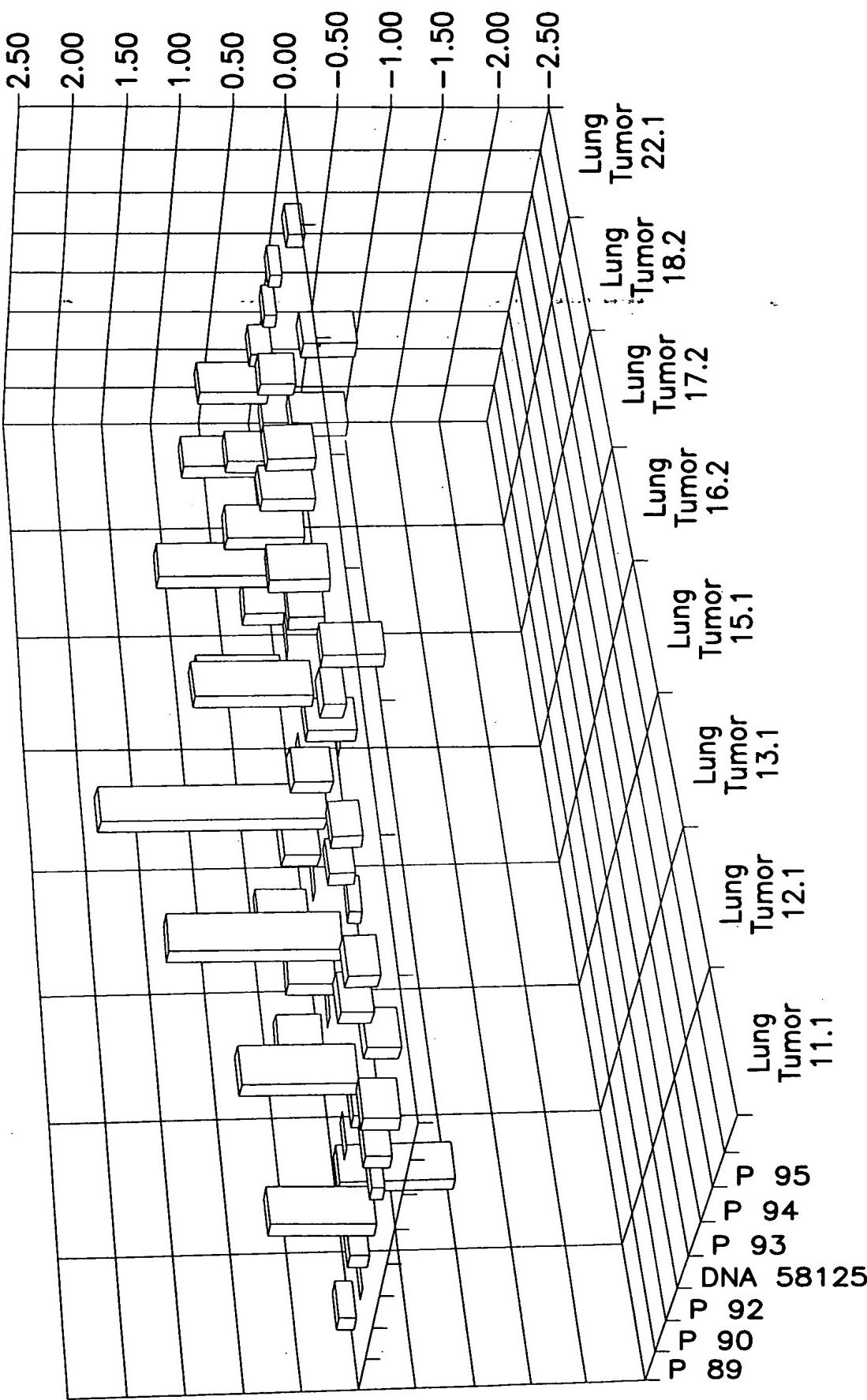


FIG. 9

Lung Tumor Panel #1
Epicenter for Chromosome #16

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Lung Tumor Panel #2
Epicenter for Chromosome #16

FIG. 10

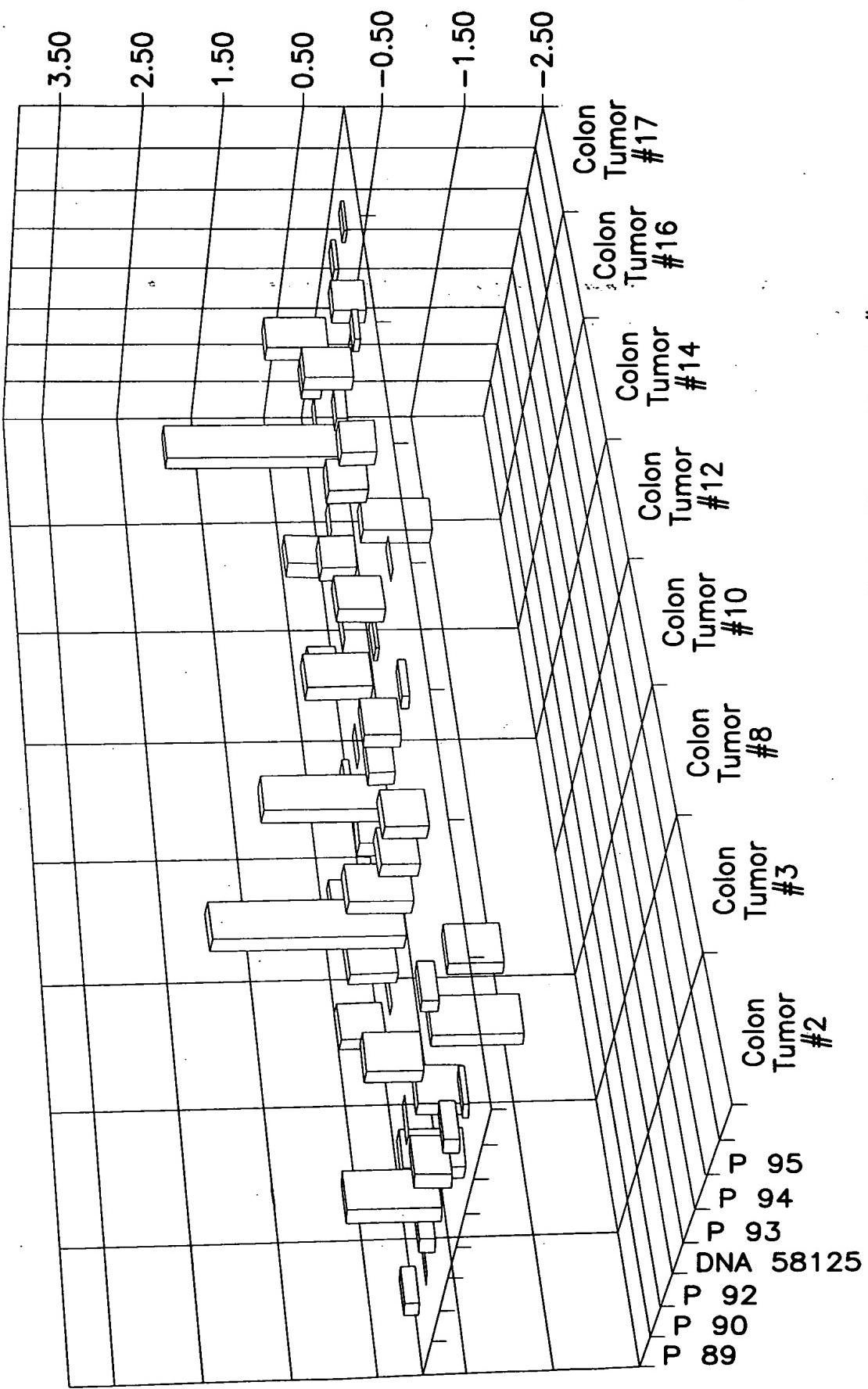
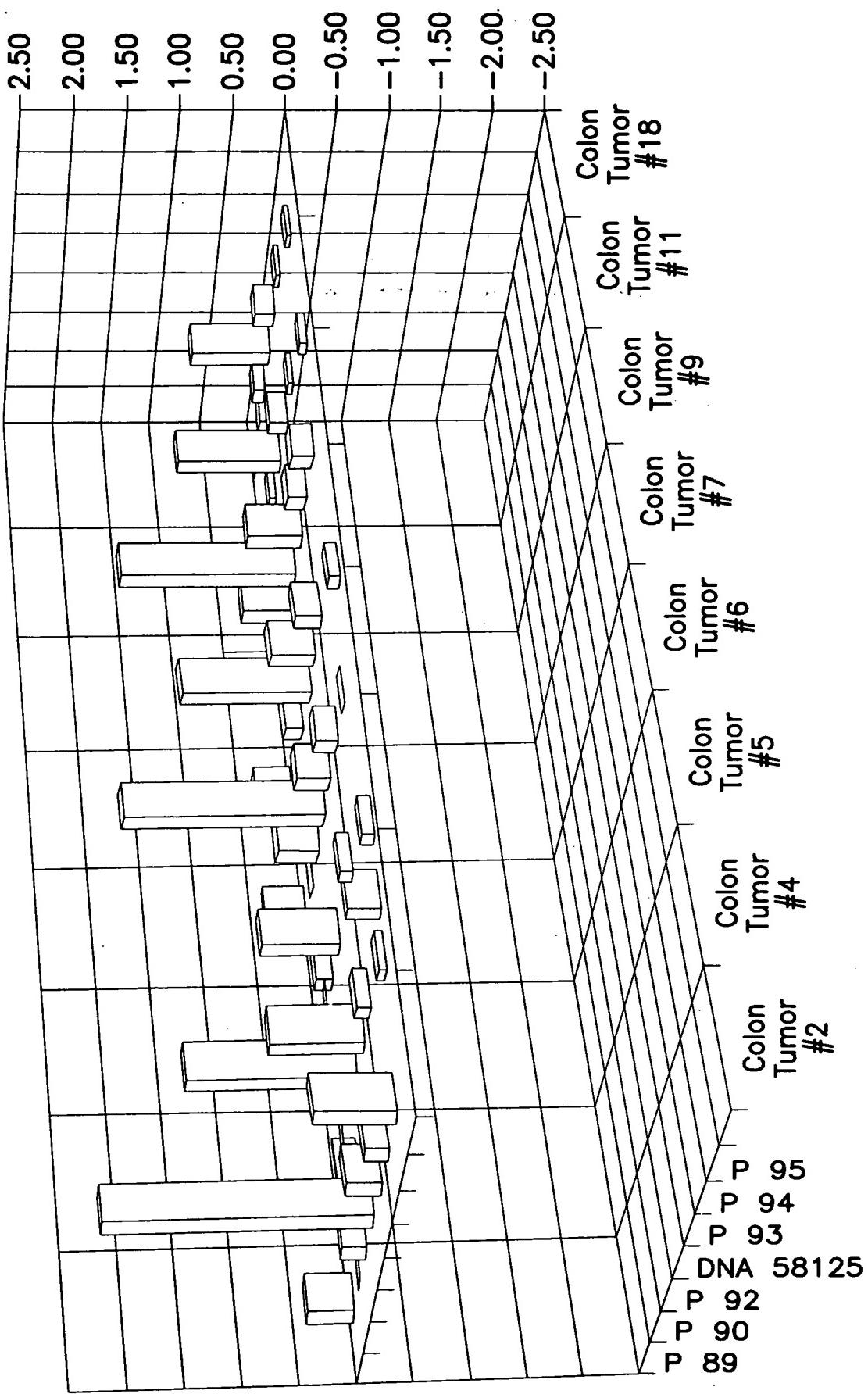


FIG. 11



Colon Tumor Panel #2
Epicenter for Chromosome #16

FIG. 12